

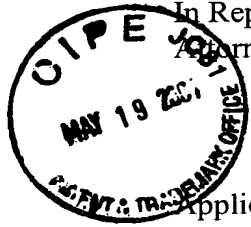
Application No. 10/657,732

Customer No. 28289

Paper Dated: May 17, 2004

In Reply to USPTO Correspondence of N/A

Attorney Docket No. 0149-031767



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/657,732

Applicant : **Toshio SATO et al.**

Filed : September 8, 2003

Title : **PROCESS FOR PRODUCING**  
: **2,3-PYRIDINEDICARBOXYLIC ACID**

Art Unit : 1625

Examiner : *Not yet assigned*

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the requirements of 37 CFR §§ 1.56, 1.97, and 1.98, the Applicants hereby submit this Information Disclosure Statement which includes a completed Form PTO/SB/08A and one (1) copy of the references listed thereon. English abstracts of the foreign language references are submitted if available.

This application was filed with the United States Patent and Trademark Office on September 8, 2003 and claims priority to Japanese Patent Application No. JP 2002-358020, filed on December 10, 2002. The references 1-10 and 12-14 listed on Form PTO/SB/08A are discussed in the present application on the following pages and are relevant for the reasons given in therein:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, Alexandria, VA 22313-1450 on May 17, 2004

Linda C. Seger

(Name of Person Mailing Paper)

*Linda C. Seger*  
Signature

05/17/2004  
Date

Application No. 10/657,732  
Paper Dated: May 17, 2004  
In Reply to USPTO Correspondence of N/A  
Attorney Docket No. 0149-031767


Customer No. 28289

JP-A 03-271275 (page 1); JP-A 61-212563 (page 1, 3, 5, 11); JP-A 02-83370 (page 1); JP-A 03-101661 (page 1); JP-A 03-157371 (page 1); JP-A 49-55673 (page 1); JP-A 58-105964 (page 1); JP-A 62-209063 (pages 1, 7, 13); JP-B 62-18551 (page 1); Chem. Ber. 65, 11 (1932) (pages 2, 6); Chem. Ber. 12, 983 (1879) (page 2); Synthesis 11, 880 (1989) (page 2); JP-B 60-54305 (pages 2, 3, 5, 6, 7). JP 03-287576 (reference 11) listed on the form is cited in Applicant's U.S. patent application No. 10/631,669, filed July 31, 2003. The relevance of this document can be taken from the English abstract provided herewith.

Pursuant to 37 CFR § 1.97(b)(3), no fees are believed to be due with the submission of this Information Disclosure Statement, as it is being submitted before the mailing date of the first Office Action on the merits. Nevertheless, the Commissioner of Patents and Trademarks is hereby authorized to charge any additional fees, which may be required to Deposit Account No. 23-0650. One original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON  
ORKIN & HANSON, P.C.

By   
Nathan J. Prepelka  
Registration No. 43,016  
Attorney for Applicant  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219-1818  
Telephone: 412/471-8815  
Facsimile: 412/471-4094  
E-mail: [webblaw@webblaw.com](mailto:webblaw@webblaw.com)



Please type a plus sign (+) inside this box.

PTO/SB/08A (08-00)  
Approved for use through 10/31/2001. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/657,732	
				Filing Date	September 8, 2003	
				First Named Inventor	Toshio SATO et al.	
				Group Art Unit	1625	
				Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	149-031767	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	1	JP 03-271275	DAISO CO LTD	03-12-1991		X
	2	JP 61-212563	YAMAMOTO KAGUKU GOSEI KK	20-09-1986		X
	3	JP 02-083370	DAISO CO LTD	23-03-1990		X
	4	JP 03-101661	YAMAMOTO CHEM INC	26-04-1991		X
	5	JP 03-157371	DAISO CO LTD	05-07-1991		X
	6	JP 49-55673		1974		
	7	JP 58-105964		1983		
	8	JP 62-209063		1987		
	9	JP 62-18551		1987		
	10	JP 60-54305	YAMAMOTO KAGUKU GOSEI KK	16-03-1981		X
	11	JP 03-287576	DAISO CO LTD	18-12-1991		X
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.				T <sup>2</sup>
	12	C. O'MURCHU, OZONOLYSIS OF QUINOLINES: A VERSATILE SYNTHESIS OF POLYFUNCTIONAL PYRIDINES, SYNTHESIS, 11, 1989, PAGES 880-882				
	13	WALTER STIX UND S.A. BULGATSCH: EINE NEUE DARSTELLUNGSART DER CHINOLINSÄURE, CHEM. BER. 65 11-13 (1932)				
	14	W. KOENIGS: OXYDATION DES CINCHONINCHINOLINS MITTELST KALIUMPERMANGANAT, CHEM. BER. 12, 983-984 (1879)				
Examiner Signature				Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

{W0120622.1}